

Title (en)
Enclosure for an air compressor

Title (de)
Gekapselte Verdichteranlage

Title (fr)
Compresseur encapsulé

Publication
EP 1229243 A3 20021120 (EN)

Application
EP 02250734 A 20020202

Priority
• US 77721001 A 20010205
• US 4552101 A 20011026

Abstract (en)
[origin: EP1229243A2] An air compressor unit having an enclosure that permits adequate cooling air flow, and reduces the amount of noise that emanates from the air compressor unit. The enclosure has a partition that separates the interior of the enclosure into two compartments: a discharge compartment and a component compartment. A discharge aperture is in fluid flow communication with the discharge compartment. A compressor and motor are contained in the component compartment. The component compartment may be separated in a first compartment and a second compartment. Inlets allow cooling air to enter the enclosure, and a discharge aperture permits the cooling air to exit the enclosure. A blower draws cooling air into the enclosure through the inlets. An aftercooler is located between the compressor and the discharge aperture. The enclosure and compartments are configured to reduce the amount of direct "line of sight" noise that emanates from the air compressor unit. <IMAGE>

IPC 1-7
F04B 41/00; **F04B 39/00**; **F04C 29/04**; **F04C 23/00**

IPC 8 full level
F04B 39/00 (2006.01); **F04B 39/06** (2006.01); **F04C 23/00** (2006.01)

CPC (source: EP)
F04B 39/0033 (2013.01); **F04B 39/0038** (2013.01); **F04B 39/066** (2013.01); **F04C 23/00** (2013.01)

Citation (search report)
• [XAY] EP 0732511 A1 19960918 - HITACHI LTD [JP]
• [XA] US 4264282 A 19810428 - CRAGO WILLIAM T
• [YA] US 5507618 A 19960416 - KUBO KAZUO [JP], et al
• [XA] PATENT ABSTRACTS OF JAPAN vol. 014, no. 113 (M - 0944) 2 March 1990 (1990-03-02)

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CN114001030A; EP1643125A3; BE1018846A3; CN106368925A; GB2610876A; US7819639B2; WO2018117809A1; USD1010784S; USD1014563S; USD1016867S; USD1021036S

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1229243 A2 20020807; **EP 1229243 A3 20021120**

DOCDB simple family (application)
EP 02250734 A 20020202